



## License Renewal Process Public Information Session Browns Ferry Nuclear Plant

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Nuclear Regulatory Commission  
February 5, 2004



## Purpose of Today's Meeting

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- Describe the NRC's license renewal process
- Describe the safety review process
- Explain the public participation process
- Describe how to get additional information

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## NRC Regulations

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- Atomic Energy Act of 1954
- Title 10 of the Code of Federal Regulations Part 54

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## Browns Ferry Nuclear Plant Units 1, 2 and 3 License Renewal

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- Current operating licenses expire
  - Unit 1 – December 20, 2013
  - Unit 2 – June 28, 2014
  - Unit 3 – July 2, 2016
- Application dated December 31, 2003
- Application requests authorization to operate units for an additional 20 years

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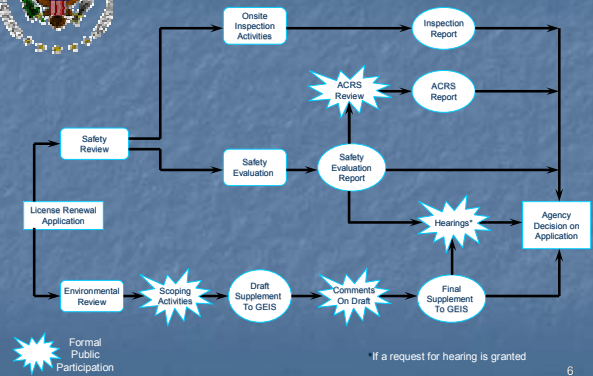


# NRC's License Renewal Review

- Safety Review
- Environmental Review
- Plant Inspections
- Advisory Committee on Reactor Safeguards (ACRS)



## License Renewal Process



# Principles of License Renewal

- Regulatory process is adequate for ensuring safety of operating plants
- Current licensing basis is adequate and carries forward into period of extended operation



## Safety Review Process

- Detailed Technical Evaluation
  - Integrated Plant Assessment
  - Audit Programs
- On-Site Plant Inspections
  - Scoping and Screening Inspection
  - Aging Management Program Inspection



## Technical Evaluation

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- Focuses on Passive, Long-Lived Structures and Components
- Evaluates effectiveness of aging management programs
- Analyzes Time-Limited Aging Effects

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## Scope of License Renewal Rule

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- Safety related systems, structures, and components relied upon to:
  - Maintain integrity of the reactor coolant pressure boundary
  - Ensure capability to shut down and maintain a safe shutdown condition
  - Prevent or mitigate offsite exposures

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## Scope of License Renewal Rule (Cont'd)

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- Non-safety related systems, structures, and components whose failure could prevent satisfactory accomplishment of safety related functions, as outlined above.
- Systems, structures, and components relied upon for compliance with the following regulations: Fire protection, Environmental qualification, Pressurized thermal shock, Anticipated transients without scram, and Station Blackout

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## Guidance Documents

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- Standard Review Plan for License Renewal
- Generic Aging Lessons Learned (GALL) – Technical Basis Document for Standard Review Plan
- Regulatory Guide 1.188

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## Ten Attributes for Acceptable Aging Management Program

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- SCOPE
- PREVENTIVE ACTION
- PARAMETERS MONITORED/INSPECTED
- AGING EFFECT
- MONITORING AND TRENDING
- ACCEPTANCE CRITERIA
- CORRECTIVE ACTIONS
- CONFIRMATION PROCESS
- ADMIN CONTROLS
- OPERATING EXPERIENCE

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## Safety Evaluation Report

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- Documents the basis and conclusions of the staff's Safety Review
- ACRS provides independent review of the Safety Evaluation Report

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## Opportunities for Public Participation

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- 60-Day Opportunity for Hearing
- Environmental Scoping Public Meeting
- Draft Environmental Impact Statement Public Meeting
- ACRS Meetings
- Public Meetings on Safety Review

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## Point of Contact

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- Agency point of contact:  
William F. Burton  
1-800-397-4209
- Documents are located at the Athens-Limestone Public Library in Athens, Alabama.
- Documents can also be viewed at the NRC's Web site ([www.nrc.gov](http://www.nrc.gov))

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